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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

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(54) Title: **POLYSACCHARIDE CAPSULES AND METHODS OF PREPARATION**

(57) Abstract: The present invention is directed to seamless capsules and methods for making seamless capsules having a high oil content. More specifically, the present invention is directed to seamless capsules, and methods for making seamless capsules, made from a process involving the steps of: (a) preparing an emulsion comprising oil, water, an emulsifier, and at least one of a water-soluble monovalent metal salt, polyvalent metal salt, and an acid, wherein said oil is present in an amount of at least 50% by weight of said emulsion; with the proviso that said emulsion does not contain marmelo mucilage; and (b) adding portions of said emulsion to an aqueous gelling bath comprised of at least one ionic polysaccharide, thereby encapsulating said portions of said emulsion in a polysaccharide gel membrane, and optionally (c) drying the resulting capsules by removing water. The capsule is, for example, an alginate gel. The capsules of the invention are suitable for a variety of applications, e.g. pharmaceutical, nutraceutical, veterinary, agricultural, cosmetic, or food applications.

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/NO 03/00109

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: A61K 9/48, A61K 9/66  
According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: A61K, A23D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI DATA, PAJ, EPO-INTERNAL, CA DATA, EMBASE, MEDLINE, BIOSIS

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5942266 A (OKAMURA ET AL), 24 August 1999 (24.08.99), abstract, examples 1-2 and the claims --	1-62
X	US 4702921 A (UEDA), 27 October 1987 (27.10.87), abstract, column 7, line 41 - column 9, line 52, the claims --	1-62
A	EP 0480729 A1 (KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY), 15 April 1992 (15.04.92) --	1-62
A	US 3376199 A (CLARENCE LEONARD JAMES COLES ET AL), 2 April 1968 (02.04.68) --	45-62

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

29/06/03

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